

L2 ANSWER 83 OF 99 CA COPYRIGHT 2005 ACS on STN  
 AN 101:176482 CA  
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 TI Spray coating of concretes  
 PA Takenaka Komuten Co., Ltd., Japan; Takenaka Doboku K. K.; Sankyo Kasei Co., Ltd.  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC E04G021-04; B28C005-00; C04B013-26; E04F013-02  
 CC 58-2 (Cement, Concrete, and Related Building Materials)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59109663	A2	19840625	JP 1982-218435	19821215
PRAI	JP 1982-218435		19821215		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES		
JP 59109663	IC	E04G021-04IC	B28C005-00IC	C04B013-26IC E04F013-02

AB Aqueous solns. containing 0.02-0.5% **cationic polymers** (based on **cement**) are mixed with **concrete** to decrease the rebound and dust formation during spray coating. Thus, a **concrete** mixture was mixed with 0.1% (based on **cement**) homopolymer of quaternary salt of dimethylaminoethyl methacrylate, and sprayed on a tunnel wall. The rebound and dust formation were remarkably decreased.

ST spray coating **concrete cationic polymer**

IT Dust

(prevention of, from **concrete** on tunnel walls, by quaternized dimethylaminoethyl methacrylate polymers)

IT **Concrete**

(spray coating of, containing quaternized dimethylaminoethyl methacrylate polymers for dust and rebound prevention on tunnel walls)

IT 2867-47-2D, quaternized, polymers

RL: USES (Uses)

(in **concrete**, for spray coating on tunnel walls for dust and